| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S57 | 5559 | ((711/161,162) or (707/204) or (709/217)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/29 08:22 |
| S58 | 3746 | S57 and (logical or virtual or secondary or backup or recovery) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 08:22 |
| S59 | 1945 | S58 and (master or primary or slave) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 08:22 |
| S60 | 1876 | S59 and (storage or hard near drive or disk or volume or medium) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 08:22 |
| S61 | 1706 | S60 and (read or write or (input near output) or I/O) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 08:22 |
| S62 | 1476 | S61 and (logical or virtual or actualy or physical) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 08:22 |
| S63 | 1328 | S62 and @ad<"20031001" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 08:22 |
| S64 | 105 | S63 and (multiple or multi$2 or plural$3) near (secondar$2 or backup$1 or slave$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 10:19 |
| S65 | 5559 | ((711/161,162) or (707/204) or (709/217)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/29 10:29 |

| S66 | 3746 | S65 and (logical or virtual or secondary or backup or recovery) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 10:29 |
|---|---|---|---|---|---|---|
| S67 | 1945 | S66 and (master or primary or slave) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 10:29 |
| S68 | 1876 | S67 and (storage or hard near drive or disk or volume or medium) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 10:29 |
| S69 | 1706 | S68 and (read or write or (input near output) or I/O) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 10:29 |
| S70 | 1476 | S69 and (logical or virtual or actualy or physical) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 10:29 |
| S71 | 1328 | S70 and @ad<"20031001" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 10:29 |
| S72 | 66 | S71 and (slave$2 or secondar$2 or backup$2) near (failure or fail or interrupt$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 10:31 |

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|---|---|---|---|---|---|---|
| S73 | 39 | (US-20020046330-$ or US-20020059505-$ or US-20020129047-$ or US-20020144068-$ or US-20020181415-$ or US-20030014432-$ or US-20030014433-$ or US-20030051111-$ or US-20030056069-$ or US-20030097524-$ or US-20030115432-$ or US-20030126327-$ or US-20030131068-$ or US-20030145179-$ or US-20030167419-$ or US-20030172149-$ or US-20030182348-$ or US-20030182349-$ or US-20030182502-$ or US-20030182503-$ or US-20030225966-$ or US-20040030852-$ or US-20040098547-$ or US-20040168034-$ or US-20050021573-$ or US-20050071586-$).did. or (US-20050071708-$ or US-20050071710-$ or US-20050108302-$ or US-20050154846-$ or US-20040128442-$).did. or (US-5799322-$ or US-6199074-$ or US-6505216-$ or US-6629166-$ or US-6732124-$ or US-6823349-$ or US-6289357-$ or US-5889935-$).did. | US-PGPUB; USPAT | OR | OFF | 2005/07/29 10:57 |
| S74 | 0 | S73 and (read-only near (backup or slave$2 or logical)) | US-PGPUB; USPAT | OR | OFF | 2005/07/29 10:58 |
| S75 | 7 | S71 and (read-only near (backup or slave$2 or logical or second$4)) | US-PGPUB; USPAT | OR | OFF | 2005/07/29 11:05 |
| S76 | 0 | S71 and (read-only near advantag$5) | US-PGPUB; USPAT | OR | OFF | 2005/07/29 11:05 |
| S77 | 0 | S71 and (read-only near purpose$2) | US-PGPUB; USPAT | OR | OFF | 2005/07/29 11:06 |
| S78 | 291 | S71 and (read-only) | US-PGPUB; USPAT | OR | OFF | 2005/07/29 11:06 |
| S79 | 2 | S65 and (read-only near advantag$6) | US-PGPUB; USPAT | OR | OFF | 2005/07/29 12:10 |
| S80 | 5559 | ((711/161,162) or (707/204) or (709/217)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/29 12:11 |

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| S81 | 3746 | S80 and (logical or virtual or secondary or backup or recovery) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 12:11 |
| S82 | 1945 | S81 and (master or primary or slave) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 12:11 |
| S83 | 1876 | S82 and (storage or hard near drive or disk or volume or medium) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 12:11 |
| S84 | 1706 | S83 and (read or write or (input near output) or I/O) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 12:11 |
| S85 | 1476 | S84 and (logical or virtual or actualy or physical) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 12:11 |
| S86 | 1328 | S85 and @ad<"20031001" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 12:11 |
| S87 | 66 | S86 and (slave$2 or secondar$2 or backup$2) near (failure or fail or interrupt$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/29 12:11 |
| S88 | 19 | S87 and frequen$4 | US-PGPUB; USPAT | OR | OFF | 2005/07/29 12:13 |
| S89 | 24 | S87 and (counter or frequency) | US-PGPUB; USPAT | OR | OFF | 2005/08/02 10:06 |
| S90 | 1372222 | 2005/0034013 A1 2004/0230859 A1 "6,820,180" B2 2003/0126388 A1 | US-PGPUB; USPAT | OR | OFF | 2005/08/02 10:07 |

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|---|---|---|---|---|---|---|
| S91 | 2 | 20050034013A1.ap. "20040230859".ap. "6820180".pn. 20030126388A1.ap. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/02 16:01 |
| S92 | 2 | 20050034013A1.ap. 20040230859A1.ap. "6820180".pn. 20030126388A1.ap. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/02 10:10 |
| S93 | 2 | "0034013".ap. 20040230859A1.ap. "6820180".pn. 20030126388A1.ap. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/02 10:10 |
| S94 | 0 | 20050034013A1.ap. "20040230859".ap. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/02 16:08 |
| S95 | 0 | "20050034013".ap. "20040230859".ap. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/02 16:01 |
| S96 | 0 | "20050034013".ap. "0230859".ap. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/02 16:01 |
| S97 | 0 | "20050034013".ap. "20040230859".ap. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/02 16:07 |
| S98 | 0 | us20050034013ki.ap. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/02 16:07 |

| S99 | 0 | us20050034013ki | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/02 16:07 |
|------|---|------------------|------|----|-----|------------------|
| S10<br>0 | 2 | "20050034013" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/02 16:07 |
| S10<br>1 | 2 | "20040230859" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/02 16:09 |

| S10 2 | 45 | (US-20020046330-$ or US-20020059505-$ or US-20020129047-$ or US-20020144068-$ or US-20020181415-$ or US-20030014432-$ or US-20030014433-$ or US-20030051111-$ or US-20030056069-$ or US-20030097524-$ or US-20030115432-$ or US-20030126327-$ or US-20030131068-$ or US-20030145179-$ or US-20030167419-$ or US-20030172149-$ or US-20030182348-$ or US-20030182349-$ or US-20030182502-$ or US-20030182503-$ or US-20030225966-$ or US-20040030852-$ or US-20040098547-$ or US-20040128442-$ or US-20040168034-$ or US-20040230859-$).did. or (US-20050021573-$ or US-20050034013-$ or US-20050071586-$ or US-20050071708-$ or US-20050071710-$ or US-20050108302-$ or US-20050154846-$).did. or (US-5799322-$ or US-5889935-$ or US-6044444-$ or US-6173377-$ or US-6199074-$ or US-6505216-$ or US-6732124-$ or US-6820180-$ or US-6823349-$).did. or (JP-2002182862-$ or US-20030191916-$ or US-20040230859-$).did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2005/08/04 09:48 |
| S10 3 | 2227726 | S102 and backup the mirror volume | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 09:48 |
| S10 4 | 43 | S102 and (backup the mirror volume) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 09:49 |

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|---|---|---|---|---|---|---|
| S10 5 | 35 | S102 and (backup near mirror volume) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:53 |
| S10 6 | 33 | (US-20020046330-$ or US-20020059505-$ or US-20020129047-$ or US-20020144068-$ or US-20020181415-$ or US-20030051111-$ or US-20030097524-$ or US-20030126327-$ or US-20030131068-$ or US-20030182348-$ or US-20030182503-$ or US-20030225966-$ or US-20040030852-$ or US-20040098547-$ or US-20040128442-$ or US-20040168034-$ or US-20040230859-$ or US-20050021573-$ or US-20050034013-$ or US-20050071586-$ or US-20050071708-$ or US-20050071710-$ or US-20050108302-$ or US-20050154846-$).did. or (US-5799322-$ or US-5889935-$ or US-6044444-$ or US-6173377-$ or US-6199074-$ or US-6820180-$). did. or (JP-2002182862-$ or US-20030191916-$ or US-20040230859-$).did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2005/08/04 12:53 |
| S10 7 | 0 | S106 and (internet near read-only) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:53 |
| S10 8 | 3 | S106 and (access near read-only) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:56 |
| S10 9 | 3 | S106 and (access near read-only or RO) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:57 |

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| S11 0 | 0 | S106 and (online near read-only or RO) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:57 |
| S11 1 | 0 | S106 and (web near read-only or RO) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:57 |
| S11 2 | 30 | S106 and (web near read only or RO) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:57 |
| S11 3 | 0 | S106 and (web near read near only or RO) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:57 |
| S11 4 | 0 | S106 and (internet near read near only or RO) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:58 |

| S11 5 | 45 | (US-20020046330-$ or US-20020059505-$ or US-20020129047-$ or US-20020144068-$ or US-20020181415-$ or US-20030014432-$ or US-20030014433-$ or US-20030051111-$ or US-20030056069-$ or US-20030097524-$ or US-20030115432-$ or US-20030126327-$ or US-20030131068-$ or US-20030145179-$ or US-20030167419-$ or US-20030172149-$ or US-20030182348-$ or US-20030182349-$ or US-20030182502-$ or US-20030182503-$ or US-20030225966-$ or US-20040030852-$ or US-20040098547-$ or US-20040128442-$ or US-20040168034-$ or US-20040230859-$).did. or (US-20050021573-$ or US-20050034013-$ or US-20050071586-$ or US-20050071708-$ or US-20050071710-$ or US-20050108302-$ or US-20050154846-$).did. or (US-5799322-$ or US-5889935-$ or US-6044444-$ or US-6173377-$ or US-6199074-$ or US-6505216-$ or US-6732124-$ or US-6820180-$ or US-6823349-$).did. or (JP-2002182862-$ or US-20030191916-$ or US-20040230859-$).did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2005/08/04 12:58 |
| S11 6 | 0 | S115 and (internet near read near only or RO) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:58 |
| S11 7 | 0 | S115 and (web$5 near read near only or RO) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2005/08/04 12:58 |

| S11 8 | 0 | S115 and (access near read near only or RO) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 12:58 |
|---|---|---|---|---|---|---|
| S12 2 | 31 | (US-20020046330-$ or US-20020059505-$ or US-20020129047-$ or US-20020144068-$ or US-20020181415-$ or US-20030051111-$ or US-20030097524-$ or US-20030126327-$ or US-20030131068-$ or US-20030182348-$ or US-20030182503-$ or US-20030225966-$ or US-20040030852-$ or US-20040098547-$ or US-20040128442-$ or US-20040168034-$ or US-20040230859-$ or US-20050021573-$ or US-20050034013-$ or US-20050071586-$ or US-20050071708-$ or US-20050071710-$ or US-20050108302-$ or US-20050154846-$).did. or (US-5889935-$ or US-6044444-$ or US-6173377-$ or US-6199074-$ or US-6820180-$).did. or (JP-2002182862-$ or US-20040230859-$).did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2005/08/08 10:35 |
| S12 3 | 2 | S122 and increment | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/08 10:37 |
| S12 4 | 19 | S122 and cache | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/08 10:37 |